

[0056] It should be noted that the agent 104 does not need to log in, according to an alternative embodiment. Instead, the agent 104 indicates that they are present and working (e.g., turns on their computing device or punches in for work). In these embodiments, the universal login module 316 notifies all associated communication servers of the presence of the agent 104 in step 406 and awaits a success or acknowledgment flag in step 408.

[0057] Referring to FIG. 5a, a flowchart 500 of one method for obtaining and maintaining availability status of the agent 104 is shown. In this embodiment, the agent communication devices 204 or the communication servers push their communication status data to the central status device 202. In step 502, a predetermined time or event occurs that triggers a status push from the agent communication devices 204 or communication servers. In one embodiment, the event may be startup or login of the agent 104. That is, when the agent 104 first logs in, a status will be pushed to the central status device 202. Another event which may trigger a status push, is the receipt of an inbound communication at the agent communication device 204. Alternatively, a predetermined time interval (e.g., every five minutes) may trigger the status push.

[0058] Upon the status check trigger, the agent communication device 204 or associated communication server sends a communication status update to the central status device 202 in step 504. Thus, for example, once a voice call is received by the phone 208, the PBX server 214 sends a communication status indicating that the agent 104 is on a voice call. In another example, the computing device 210 of the agent 104 may send a communication status indicating that the agent 104 is responding to an e-mail or chat message. The communication status may then be stored in the status database 322, according to some embodiments.

[0059] If a next predetermined time or event occurs in step 506, then the system determines if the agent associated with the agent communication devices 204 is still logged in or present in step 508. If the agent is still logged in or present, then a new communication status is sent to the central status device in step 504. The agent communication devices 204 and/or communication servers will continue to send status updates for the agent until the agent is no longer logged in or present.

[0060] FIG. 5b shows a flowchart 520 of an alternative method for obtaining and maintaining status of the agent 104. In this embodiment, the central status device 202 pulls status data from the various agent communication devices 204 and/or communication servers. In step 522, a predetermined time or event occurs that triggers a status pull from the agent communication devices 204 or communication servers. In one embodiment, the event may be startup or login of the agent 104. Another event which may trigger a status pull, is the receipt of an inbound communication at one of the communication servers. Alternatively, a predetermined time interval (e.g., every five minutes) may trigger the status pull.

[0061] In step 524, the central status device 202 sends a request for communication status to the agent communication devices 204 and/or communication servers, such as the PBX server 214. Communication status is then received in step 526. In some embodiments, the communication status is stored into the status database 322.

[0062] In step 528, a determination is made as to whether a predetermined amount of time has elapsed or if a next event has occurred, which will trigger another status check of the agent communication devices 204 and/or communication

servers. In some embodiments, the central status device 202 will check communication status after a predetermined interval of time (e.g., every 5 minutes). In other embodiments, the central status device 202 will perform a communication status check based on an event. The event may comprise receipt of a new inbound communication. For example, if a new voice call is received from a customer 106, a request for status from the PBX server 214 (i.e., the event) will trigger the central status device 202 to check communication status of the agents 104 over all the communication servers, devices, and systems. In yet other embodiments, a combination of predetermined elapsed time and event triggers may be utilized.

[0063] It should be noted that while two methods for determining communication status of the agent 104 are provided, alternative embodiments are contemplated. For example, a combination of the methods described in connection with FIG. 5a and FIG. 5b may be utilized. It should further be noted that each agent 104 may be available to handle more than one inbound communication at the same time. Therefore, for each inbound communication received by the call center 102, the processes of FIG. 5a or FIG. 5b may be repeated as needed.

[0064] Referring now to FIG. 6, a flowchart 600 of an exemplary method for queuing an inbound communication from the customer 106 is shown. In step 602, the inbound communication is received by the appropriate communication server. For example, a voice call may be received by the PBX server 214, while an e-mail message is received by the e-mail server 216.

[0065] In optional step 604, if the communication server receiving the inbound communication is the communication management server 220, then the communication management server 220 will process the inbound communication. In exemplary embodiments, the communication management server 220 may create or update an information record associated with the inbound communication. Based on the information record, an appropriate set of one or more agents may be determined to be able to handle the inbound communication. Subsequently, the statuses and profiles of this set of agents may be reviewed.

[0066] For example, the communication management server 220 may receive a voice call from a regular customer (e.g., identified with caller ID). The information record for this customer may be updated to indicate that the customer is calling again with an inquiry. Based on the information record, one or more agents may be identified that have a relationship with this customer (e.g., agents that are assigned to the account). The availability and applicability of this set of agents may then be reviewed in the subsequent steps of this exemplary method.

[0067] In step 606, the availability of agents 104 are determined. According to one embodiment, the receipt of the inbound communication triggers a communication status check by the central status device 202, as discussed, for example, in connection with FIG. 5a or FIG. 5b. In alternative embodiments, the communication status check may occur at any time. For example, the communication statuses of agents 104 may be determined prior to receipt of the inbound communication. In some embodiments, the communication status is stored in the status database 322. Subsequently, the status module 310 may access the status database 322 to review the current statuses of agents 104 and determine availability of agents 104 to receive inbound communications. In other